On the problem of removing the ... S/081/63/000/004/023/051
B187/B208

a wall thickness $\geqslant$ 5 mm can be cast from it if the total content of binder is 10 %. [Abstracter's note: Complete translation.]

Card 2/2

TAKHIROV, K.N.

Organization of control measures in eradicating the incidence of dermatomycosis in Tashkent Province. Med.zhur.Uzb. no.5: 56-61 My '58. (MIRA 13:6)

1. Iz Tashkentskogo oblastnogo kozhno-venerologicheskogo dispansera (glavnyy vrach - K.N. Takhirov) i iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof. A.A. Akovbyan) Tashkentskogo gosudarstvennogo meditsinskogo instituta.
(TASHKENT PROVINCE--DERMATOMYCOSIS)

TAKHIROV, K.N.

Shortening of the periods of infirmary treatment of patients with dermatomycoses of the scalp by the modified procedure of the Tashkent Province Skin and Venereal Dispensary. Med.zhur.Uzb. no.11: 55-58 N '58. (MIRA 13:6)

1. Iz Tashkentskogo oblastnogo kozhno-venerologicheskogo dispansera (glavnyy vrach - K.N. Takhirov) i kafedry kozhnykh i venericheskikh bolezney (zav. - prof. A.A. Akovbyan) Tashkentskogo gosudarstvennogo instituta.

(SCALP--DISEASES) (DERMATOMYCOSIS)

TAKHIROV, K. M., Cand Med Sci -- (diss) "Dermatomycosis in the Tashkent Oblast of the Uzbek SSR and the test of the organization of the campaign against it." Tashkent, 1960. 16 pp; (Ministry of Public Health Uzbek SSR, Tashkent State Medical Inst); 300 copies; price not given; (KL, 17-60, 173)

TAKHIROV, K.N.

Epidemiological study of the foci of fungous diseases in the rural localities of Tashkent Province. Med. zhur. Uzb. no.6:63-66 Je '60. (MIRA 15:2)

1. Iz Tashkentskogo oblastnogo kozhno-venerologicheskogo dispansera (nauchnyy rukovoditel' raboty - prof. A.A.Akovbyan).
(TASHKENT PROVINCE--MEDICAL MYCOLOGY)

TAKHIROV, K.N.

Organization of measures for eradication of favus in Tashkent Province. Vest.derm.i ven. 34 no.6:33-35 '60. (MIRA 13:12)

1. Iz Tashkentskogo oblastnogo kozhno-venerologicheskogo dispansera (glavnyy vrach K.N. Takhirov) i iz kafedry kozhnykh bolezney (zav. - prof. A.A. Akovbyan) Tashkentskogo gosudarstvennogo meditsinskogo instituta.
(TASKHENT PROVINCE--FAVUS)

TAKHIROV, I. Doc Cand Med Sci -- (diss) "Contamination of atmospheric air with chlorine and its hygienic significance." Mos, 1957. 11 pp 20 cm. (Ministry of Health USSR. Central Inst for the ~~Improvement of Profession~~ Improvement of Physicians of Medical Doctors), 200 copies

(KL, 21-57, 107)

TAKHIROV M.T.

205. TAKHIROFF M. T. *Maximum allowable concentration of chlorine in the atmosphere based on experimental data (Russian text)* Gigiena 1957, 1 (13—18) Graphs 2 Tables 2

Analyses of air in the vicinity of a chemical plant and at a considerable distance in the residential areas have shown that the atmosphere of large cities contains free chlorine even at a distance from the sources of its discharge. The threshold for the sensation of smell of chlorine for the sensitive persons is 0.8 mg./cu.m. The threshold of reflex action of chlorine on sensation of light coincides with the threshold of sensation of smell. The threshold of reflex action of chlorine on the rhythm and amplitude of breathing and the optical chronaxy is 1.5 mg./cu.m. The maximum allowable concentration of chlorine at one time in the atmosphere (0.1 mg./cu.m.) is below the threshold of sensation of smell of chlorine and its reflex action through the receptors of the upper respiratory tract and therefore does not require any further diminution.

TAKHIROV, M.T., kand.med.nauk

Materials for establishing the permissible limit of chlorine concentration in the air of populated areas. Pred. dop. kontsent. atmosf. no. 4:39-60 '60. (MIRA 13:10)

1. Iz kafedry kommunal'noy gigiyeny TSentral'nogo instituta usovershenstvovaniya vrachey.
(CHLORINE—PHYSIOLOGICAL EFFECT) (AIR—POLLUTION)

TAKHIROVA, T.

Expansion of the restaurant network is a decisive factor. (MIRA 16:10)
Obshchestv.pit. no.8:3-5 Ag '62.

1. Zamestitel' Ministra torgovli UzbSSR.

TAKHTE[illegible], B.A.

"The Biological [illegible] of Larvae of Dictyocaulus Hadwani, a Nematode of the Lungs of the Reindeer, [illegible] the Conditions of the Polar Climate," Tek. [illegible], 31, No. 2, 1948.

TAKHISTOV, B. A.

"Bovine Dictyocaulosis"
Moscow-Leningrad. Sel'khozgiz, 1951. 112 pages
with illustrations.
SO: Vet., March 1952, Unclassified.

form 7.

USSR/Diseases of Farm Animals. Diseases Caused by Helminths. R

Abs Jour: Ref Zhur-Biol., No 15, 1958, 69487.

Author : Takhistov, B.A.
Inst : Leningrad Scientific Research Veterinary Institute.
Title : On the Dehelminthization of Calves Affected With Dictyocaulosis by Means of Inhalation of Iodine Vapors.

Orig Pub: Byul. nauchno-tekhn. inform. Leningr. n.-i. vet. in-ta, 1957, vyp. 3, 22-25.

Abstract: In a preliminary trial of inhalation of iodine vapors on one calf affected with dictyocaulosis, the author obtained a positive result. Up to the 8th day from the beginning of treatment, the number of larvae excreted with the feces increased, and

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USSR/Diseases of Farm Animals. Diseases Caused by Helminths. R

Abs Jour: Ref Zhur-Biol., No 15, 1958, 69487.

thereafter only a few larvae could be detected; on the 21st day after inhalation, a secondary short-lived increase of the number of larvae was observed and toward the 31st day of treatment the excretion of larvae stopped completely. The author applied thismethod of treatment to 5-6 months old calves, which were experimentally infected with dictyocaulosis. The inhalation was effected by means of the insufflation of iodine vapors obtained by the sublimation of0.05 g. of crystalline iodine in a heated porcelain crucible placed at the bottom of a glass vessel with a capacity of 0.5 liter and at an air temperature of 50°C. (the technique is described). The duration of the inhalation was 1½-3 min. A positive effect was observed after 3 min. of in-

Card : 2/3

SOVIET : USSR R
CATEGORY : Diseases of Farm Animals. Diseases Caused by Helminths
ABS. JOUR. : RZhBiol., No. 6 1959, No. 26013

AUTHOR : Ivanistov, B. A.
INST. : Leningrad Scientific Research Veterinary Institute*
TITLE : On the Dehelminthization of Calves with Dictyocaulosis by Inhalation of Iodine Vapors

ORIG. PUB. : Sb. tr. Leningr. n.-i. vet. in-t, 1957, vyp. 7, 128-143
ABSTRACT : The inhalation method of dehelminthization of calves by iodine vapors (I) introduced into the lungs from a glass vessel in which a weighed dose of crystalline iodine was evaporated in a heated porcelain crucible was tested on animals experimentally infected with dictyocaulosis. It

*Institute

CARD : 1/2

R

Diseases

Abst., No. 6 1959, No. 26014

Author: [illegible], E. A.

Institution: [illegible] Research Veterinary Insti-[illegible]

Title: [illegible] Clinical picture, Pathogenesis and Pro-[illegible] Dictyocaulosis of Cattle [illegible] Conclusions and a review of [illegible]

Publication: [illegible] Ministr. s.-l. vet. in-t, 1957, vyp. 7, [illegible]

Abstract: [illegible] review of the problems of pathogenesis [illegible] the clinical picture of dictyocaulosis of [illegible] The problems of reinfestation, [illegible] forms of Dictyocauli in the [illegible] of disease, antibiotics and patho-[illegible]

[illegible]

[illegible] experience)

Card: 1/2

TAKHISTOV, V.P., inzh.; FEL'DMAN, L.Ye., inzh.

Universal jig for drilling holes in flange-type parts. Mashinostroenie no.4:30-31 Jl-Ag '63. (MIRA 17:2)

TAKHISTOV, V.P., inzh.; FEL'DMAN, L.Ye., inzh.

Manipulator for cutting bottom flanges. Khim.mashinostr. no.1: 36 Ja-F '64. (MIRA 17:4)

ACC NR: AP7005850

ions in the lattice. The experimentally observed laws governing the Zeeman splitting of the "tetragonal lines" are described. A theoretical analysis of these laws makes it possible to relate the indicated lines to the magnetic-dipole transitions ($^1\Gamma_1 \rightarrow {}^2\Gamma_5$) in the C_{4v} field. A study of the concentration dependence of the line intensity leads to the hypothesis that the excess charges at centers of different symmetry can be compensated by the same lattice defect with two negative charges. Further study of the model wherein one defect "serves" two TR^{3+} ions calls for further experiments. Orig. art. has: 3 figures and 2 formulas. [WA-14] [02]

SUB CODE: 20/ SUBM DATE: 28May66/ ORIG REF: 004/ OTH REF: 001

Card 2/2

TEMNIKOVA, T.I.; TAKHISTOV, V.V.

Exchange reactions of ketals of aromatic ketones. Zhur.VKHO 7 no.1:115-116 '62. (MIRA 15:3)

1. Leningradskiy gosudarstvennyy universitet.
(Acetals) (Ketones)

TSEMENOVA, T.I.; TARHISTOV, V.V.

Reactions of [illegible]-vinyl- [illegible]-ethy. ether with the [illegible] derivatives of acetoacetic ester. Zhur. ob. khim. 35 no.4:7[illegible] Ap '65. (MIRA 18:5)

1. Leningradskiy gosudarstvennyy universitet.

TAKHMAN, I.G.

Virgin Territory should have outstanding communications. Vest. sviazi 21 no.6:16-17 Je '61. (MIRA 14:9)

1. Nachal'nik TSelinnogo krayevogo upravleniya svyazi.
(Virgin Territory--Telecommunication)

TAKHMAN, L.G.

Problems in the design and construction of automatic telephone exchanges. Vest. sviazi 25 no.8:5-6 Ag '65. (MIRA 18:10)

1. Nachal'nik Sverdlovskogo stroitel'no-montazhnogo upravleniya "Spyuztelefonstroy".

TAKHMAZOV, F.A.

Effect of medicinal forms and galenic pharmaceuticals prepared from the seeds and roots of common cabbage, cauliflower and Sisymbrium Loeselii on the cardiovascular system in an experiment. Azerb. med. zhur. 41 no.9:39-45 S '64. (MIRA 18:11)

TAKHMAZOV, G.Kh.

Effect of a complex organic and mineral trace element fertilizer on the yield of green tea leaves. Dokl. AN Azerb. SSR 20 no.5: 63-67 '64. (MIRA 17:3)

1. Institut pochvovedeniya i agrokhimii AN AzSSR. Predstavleno akademikom AN Azerbaydzhanskoy SSR D.M.Guseynovym.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754720014-0"

TAKHOVEYEV, M.; PANYUKOV, D.

Machine-tractor stations and the school; production practise on cattle breeding farms. Prof.-tekh. obr. 12 no.4:9-10 Ap '55. (MLRA 8:7)

1. Direktor uchilishcha mekhanizatsii sel'skogo khozyaystva No.7 (Moskovskaya oblast') (for Takhoveyev).

2. Starshiy mekhanik Ramenskoy mashinno-traktornoy stantsii (Moskovskaya oblast') (for Panyukov).
(Technical education)

AUTHOR: [illegible] 3[illegible]

TITLE: Some problems of the organization [illegible] (Nekotoryye [illegible] organizatsii [illegible])

PERIODICAL: [illegible] Nauk SSSR, Vol 27, No [illegible] (Russian)

ABSTRACT: [illegible] tion of the ways and rules of the [illegible] ally in the fields of paleobotany [illegible] achievements were attained during [illegible] the works lack the elan which [illegible] other fields. Too little attention [illegible] of the systematics of extinct plants, [illegible] morphology and philogeny. In 1935 I.V. [illegible] lishing a division for paleobotany within the Institute of Botany of the Academy of Science, which meant [illegible] to the botany of plants existing nowadays. [illegible] paleobotany (and paleozoology) should [illegible] logical sciences is of greatest import[illegible] and the source of the false and one-sided [illegible] paleobotany consisted of the confusion [illegible] botanic method in stratigraphy. The author [illegible] this problem and he is of the opinion that paleobotany and [illegible] are only distinguished by individual specific [illegible] the investi-

Card 1/2

TAKHTADZHYAN, A.L.

A.N.Severtsov's theory of phylembryogenesis and evolutionary plant morphology. Probl.bot. no.1:222-231 '50. (MLRA 8:11)
(Botany--Embryology) (Plants--Evolution)

[illegible], [illegible]

The morphological evolution of angiosperms. Moskva, Izd-vo Moskovskogo ob-va ispytatelei prirody, 1948. 300 p. (51-34406)

QK495.A56T3

D.

GROSSGEYM, Aleksandr Al'fonsovich [deceased]; TAKHTADZHYAN, A.L., red.; KOGAN, M.I., red.; GRECHANINOVA, A.A., tekhn.red.

[Plant resources of the Caucasus] Rastitel'nye bogatstva Kavkaza. 2-oe, posmertnoe izd. pod obshchei red. A.L.Takhtadzhiana. Moskva, Izd. Mosk. ob-va ispytatelei prirody, 1952. 631 p. (Materialy k poznaniiu fauny i flory SSSR, izdavaemye Moskovskim obshchestvom ispytatelei prirody. Novaia seriia, otdel boranicheskii. no.7 (XV)) (MIRA 11:2)

1. Chlen-korrespondent Akademii nauk Armyanskoy SSR (for Takhtadzhyan)
(Caucasus--Botany, Economic)

1. TAKHTADZHYAN, A. L.

2. USSR (600)

4. Botany - Morphology

7. Telome theory and "new morphology"; on the problem of historical method in plant morphology. Bot. zhur. 37 no. 5, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

TAKHTADZHYAN, A.L.; SEREBRYAKOV, I.G., redaktor; GUBER, A., tekhnicheskiy redaktor.

[Origin of the angiosperms] Proiskhozhdenie pokrytosemennykh rastenii. Moskva, Gos. izd-vo "Sovetskaia nauka," 1954. 95 p. (MLRA 7:11)
(Angiosperms)

TAKHTADZHYAN, A.L., redaktor; GZYRYAN, M.S., izdatel'skiy redaktor; KAPLANYAN, M.A., tekhnicheskiy redaktor.

[Flora of Armenia] Flora Armenii. Erevan, Izd-vo Akad.nauk Armianskoi SSR. Vol. 1 [Lucopodiacea - Fumeriaceae] Lucopodiaceae - Fumariaceae. Pod. red. A.L. Takhtadzhiana. 1954. 289 p. (MLRA 10:5)
(Armenia--Botany)

[illegible]

YATSENKO-KHMELEVSKIY, A.A., VIKHROVA, V.Ye.; GRYGIAN, N.S.; MOSKALEVA, V.Ye.; TAKHTADZHYAN, A.L., otvetstvennyy redaktor; SUVOROVA, L.D., tekhnicheskiy redaktor.

[Principles and methods of investigating the structure of wood] Osnovy i metody anatomicheskogo issledovaniia drevesiny. Moskva, Izd-vo Akademii nauk SSSR, 1954. 337 p. [Microfilm] (MIRA 8:2)
(Wood)

TAKHTADZHYAN, A.L.

B-7

USSR/General Biology - Evolution.

Abs Jour : Ref Zhur - Biol., No 7, 1955, 2861-

Author : Takhtadzhyan, A.L.
Inst : -
Title : Some Problems of the Theory of Species in Systematizing Contemporary and Fossil Plants.

Orig Pub : Botan. zh., 1955, 40, No 6, 789-796

Abstract : The emergence of a morphologo-geographic concept of species (S) was one of the most fruitful results of the triumph of the evolutionary idea in biology. However, with the development of plant geography, ecology, genetics and cytogenetics, the limitations of the old geographic method became evident and the concept of S underwent considerable changes. The accumulated data indicate an emergence in the process of evolution of several types of S manifested by different forms of intraspecies relationship between individuals. The clonal and polulational

Card 1/3

2. —

B-7

USSR/General Biology - Evolution.

Abs Jour : Ref Zhur - Biol., No 7, 1957, 28614

contemporary concept may exist only in populational S and be established only for presently existing S, which fills an important problem in plant classification. The concept of subspecies has almost no significance to paleobotany. For a correct delineation of fossil S it is necessary to account for the different tempo of evolution in various plant groups.

2

Card 3/3

TAKHTADZHYAN, A.L.; LEBEDEV, D.V., redaktor izdatel'stva; PEVZNER, P.S., tekhnicheskiy redaktor

[The higher plants] Vysshie rasteniia. Moskva, Izd-vo Akademii nauk SSSR. Vol.1.[From psilophytes to conifers] Ot psilofitovykh do khvoinykh. 1956. 488 p. (MLRA 9:9)

(Botany)

TAKHTADZHYAN, A.L.

Fossil flora of the Agarak ore field in Megri District, Armenian S.S.R. Bot.zhur. 41 no.5:652-657 My '56. (MLRA 10:7)

1. Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR, Leningrad.

(Megri District--Paleobotany)

LAVRENKO, Ye.M.; TAKHTADZHAYAN, A.L.

At the Twenty-ninth Congress of the Polish Botanical Society. Bot. zhur. 41 no.11:1722-1729 N '56. (MIRA 10:1)

1. Botanicheskiy institut imeni V.L. Komarova, Akademii nauk SSSR, Leningrad.

(Poland--Botanical research)

TAKHTADZHYAN, A. L.

KRISHTOFOVICH, Afrikan Nikolayevich; TAKHTADZHYAN, A.L., redaktor; RUSAKOVA, L.Ya., vedushchiy redaktor; YASHCHURZHINSKAYA, A.B., tekhnicheskiy redaktor

[Paleobotany] Paleobotanika. Izd. 4-oe, ispr. i dop. Leningrad, Gos. nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, Leningr. otd-nie, 1957. 650 p. (MLRA 10:8)
(Paleobotany)

AKHTADZHYAN, A.L., doktor biologicheskikh nauk.

Problems in organizing paleobotanic research. Vest. AN S.S.S.R. 27 no.7:33-38 Jl '57. (MLRA 10:8)
(Paleobotany)

TAKHTADZHYAN, A.L.

Direct adaptation or natural selection? (on statistical laws in biology). Bot.zhur. 42 no.4:596-609 Ap '57. (MLRA 10:5)

1.Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR, Leningrad.

(Evolution)

TAKHTADZHYAN, A.L.

Origin of the temperate flora of Eurasia [with summary in English]. Bot.zhur. 42 no.11:1635-1653 N '57. (MIRA 10:10)

1. Botanicheskiy institut im. V.L. Komarova AN SSSR, Leningrad.
(Angiosperms) (Phylogeny (Botany))

TAKHTADZHYAN, A.L., otvetstvennyy red.; OVAKIMYAN, A.A., red. izd-va; KAPLANYAN, M.A., tekhn. red.

[Flora of Armenia] Flora Armenii. Pod redaktsiei A.L. Takhtadzhiana. Vol.3.[Platanaceae-Crassulaceae] Platanaceae-Crassulaceae. Erevan, Izd-vo Akad. nauk Armianskoi SSR. 1958. 385 p. (MIRA 11:10)
(Armenia—Botany)

GABRIYELYAN, A.A.; TAKHTADZHYAN, A.L.; SARKISYAN, O.A.

Age of the coal-shale series in the vicinity of the city of Dilizhan. Dokl.AN Arm.SSR 26 no.3:181-186 '58.
(MIRA 12:10)

1. Chlen-korrespondent AN Armyanskoy SSR (for Takhtadzhyan, Sarkisyan). 2. Yerevanskiy gosudarstvennyy universitet.
(Akstev Valley--Geology, Stratigraphic)

TAKHTADZHYAN, A.L.

Systematics of Tertiary fan palms in the U.S.S.R. [with summary in English]. Bot.zhur. 43 no.12:1661-1674 D '58.
(MIRA 11:12)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.
(Palms, Fossil)

TAKHTADZHYAN, A.L.

"Some basic principles in the classification of Angiosperms."
Paper submitted for the Int'l Botanical Congress, Montreal, Canada, 29-4 Aug. 1959.
Komarov Institute of Botany, Academy of Sciences U.S.S.R., Leningrad.

TAKHTAJAN, A. L.

"Major Features in the Evolution of the Eurasian Tertiary Angiosperm Floras."
Paper submitted for the Int'l Botanical Congress, Montreal, Canada, 19-29 Aug 1959.

Botanical Institute, Academy of Sciences U.S.S.R., Leningrad.

ORLOV, Yu.A., glavnyy red.; RAUZER-CHERNOUSOVA, D.M., otv.red.toma; FURSENKO, A.V., otv.red.toma; MARKOVSKIY, B.P., zam.glavnogo red.; RUZHENTSEV, V.Ye., zam.glavnogo red.; SOKOLOV, B.S., zam.glavnogo red.; VAKHRAMEYEV, V.A., red.; GEKKER, R.F., red.; GROMOVA, V.I., red.; DAVITASHVILI, L.Sh., red.; KRYMGOL'TS, G.Ya., red.; LUPPOV, N.P., red.; OBRUCHEV, D.V., red.; OVECHKIN, N.K., red.; POKROVSKAYA, I.M., red.; PCHELINTSEV, V.F., red.; RADCHENKO, G.P., red.; RODENDORF, B.B., red.; ROZHDESTVENSKIY, A.K., red.; SARYCHEVA, T.G., red.; SUBBOTINA, N.N., red.; TAKHMADZHAN, A.L., red.; FLEROV, K.K., red.; KHABAKOV, A.V., red.; CHERNYSHEVA, N.Ye., red.; EBERZIN, A.G., red.; KOTLYAREVSKAYA, P.S., red.izd-va; MOSKVICHEVA, N.I., tekhn. red.; POLENOVA, T.P., tekhn.red.

[Fundamentals of paleontology; reference book in fifteen volumes for paleontologists and geologists of the U.S.S.R.] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Moskva, Izd-vo Akad.nauk SSSR. Vol.1. [General part. Protozoa] Obshchaia chast'. Prosteishie. Otv.red. D.M.Rauzer-Chernousova, A.V.Fursenko. 1959. 481 p. (MIRA 12:7)
(Protozoa, Fossil)

KRISHTOFOVICH, Afrikan Nikolayevich; BAYKOVSKAYA, T.N., doktor biolog. nauk, otv.red.; BARANOV, P.A., red.; TAKHTADZHYAN, A.L., red.; ARONS, R.A., tekhn.red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad.nauk SSSR. Vol.1. [Theoretical works] Teoreticheskie raboty. 1959. 509 p. (MIRA 12:8)

1. Chlen-korrespondent AN SSSR (for Baranov). 2. Chlen-korrespondent AN Arm.SSR (for Takhtadzhyan).
(Paleobotany)

GROSSGEYM, Aleksandr Al'fonsovich, akademik [deceased]; TAKHTADZHYAN, A.L., otv.red.; BOYARSKIY, V.A., red.izd-va; GUS'KOVA, O.M., tekhn.red.

[Story about an expedition to the Talysh Mountains] V gorakh Talusha; rasskaz ob odnoi ekspeditsii. Moskva, Izd-vo Akad. nauk SSSR, 1960. 118 p. (MIRA 13:8)
(Talysh Mountains--Botany)

ORLOV, Yu.A., glavnyy red.; MARKOVSKIY, B.P., zam.glavnogo red.; RUZHENTSEV, V.Ye., zam.glavnogo red.; SOKOLOV, B.S., zam.glavnogo red.; SARYCHEVA, T.G., otv.red.toma; VAKHRAMEYEV, V.A., red.; GEKKER, R.F., red.; GROMOVA, V.I., red.; DAVITASHVILI, L.Sh., red.; KRYMGOL'TS, G.Ya., red.; LUPPOV, N.P., red.; OBRUCHEV, D.V., red.; OVECHKIN, N.K., red.; POKROVSKAYA, I.M., red.; PCHELINTSEV, V.F., red.; RADCHENKO, G.P., red.; RAUZER-CHERNOUSOVA, D.M., red.; RODENDORF, B.B., red.; ROZHDESTVENSKIY, A.K., red.; SUBBOTINA, N.N., red.; TAKHTADZHAN, A.L., red.; FLEROV, K.K., red.; FURSENKO, A.V., red.; KHABAKOV, A.V., red.; CHERNYSHEVA, N.Ye., red.; EBERZIN, A.G.; NEVESSKAYA, L.A., red.izd-va; POLENOVA, T.P., tekhn.red.

[Fundamentals of paleontology; manual in fifteen volumes for paleontologists and geologists of the U.S.S.R.] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. Vol.7. [Polyzoa, Brachiopoda. Supplement: Phoronidea] Mshanki, brakhiopody. Prilozhenie: Foronidy. Otvet.red.T.G. Sarycheva. 1960. 342 p. plates. (MIRA 14:4)
(Polyzoa, Fossil) (Brachiopoda, Fossil)
(Phoronidea, Fossil)

GRUSHVITSKIY, Igor' Vladimirovich; TAKHTADZHYAN, A.L., prof., doktor biolog. nauk, otv.red.; VIKHREV, S.D., red.izd-va; BLEYKH, E.Yu., tekhn.red.

[Role of embryonic underdevelopment in the evolution of flowering plants] Rol' nedorazvitiia zarodysha v evoliutsii tsvetkovykh rastenii. Moskva, Izd-vo Akad.nauk SSSR. 1961 45 p. (Komarovskie chteniia, no.14). (MIRA 14:12)

(SEEDS) (PLANTS—EVOLUTION)

TAKHTADZHYAN, Armen Leonovich; PARSADANOVA, K.G., red. izd-va; VORONINA, R.K., tekhn. red.

[Origin of angiosperms] Proiskhozhdenie pokrytosemennykh rastenii. Izd.2., perer. i dop. Moskva, Gos.izd-vo "Vysshaia shkola," 1961. 132 p. (MIRA 14:6)

(Angiosperms)

TAKHTADZHYAN, A.L.

Soviet botanists in Vietnam. Vest. AN SSSR 31 no.4:107-110 Ap '61. (MIRA 14:4)

1. Chlen-korrespondent AN Armyanskoy SSR.
(Vietnam--Botany)

MANDENOVA, I.P.; TAMAMSHYAN, S.G.; TAKHTADZHYAN, A.L., otv.red.; SHTIBEN, R.A., red.izd-va; KAPLANYAN, M.A., tekhn.red.

[Flora of Armenia] Flora Armenii. Pod red. A.L.Takhtadzhiana. Erevan, Izd-vo Akad.nauk Armianskoi SSR. Vol.4. Mimosaceae-Juglandaceae. 1962. 433 p. (MIRA 15:5)
(Armenia--Dicotiledons)

KRISHTOFOVICH, Afrikan Nikolayevich; BAYKOVSKAYA, T.N., doktor biolog. nauk, otv. red.; BARANOV, P.A., red.; TAKHTADZHYAN, A.L., red.; VERESHCHAGIN, V.N., kand. geol.-miner. nauk, red.; KRUGLIKOVA, N.A., tekhn. red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR. Vol.2. [Works in geology, stratigraphy, and paleobotany; Far East] Geologicheskie, stratigraficheskie i paleobotanicheskie raboty; Dal'nii Vostok. 1962. 532 p. (MIRA 15:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Baranov).
2. Chlen-korrespondent AN Armyanskoy SSR (for Takhtadzhyan).
(Soviet Far East--Geology)
(Soviet Far East--Paleobotany)

TAKHTADZHYAN, A.L.

"Woody plants of Ghana with special references to their uses" [in English] by F.R.Irvine. Reviewed by A.L.Takhtadzhian. Bot.zhur. 47 no.4:584-585 Ap '62. (MIRA 15:8)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.
(Ghana--Woody plants) (Irvine, F.R.)

[illegible]OV, Yu.A., glav. red.; MAKHNOVSKIY, B.P., zam. glav. red.; KUZNETSOV, V.Ye., zam. glav. red.; SOKOLOV, N.S., zam. glav. red.; VAKHRAMEYEVA, V.A., otv. red.; RADCHENKO, G.P., red.; TAKHTADZHAN, A.L., red.; KOTLYARETSKAYA, E.S., red.izd-va; LAUT, V.G., tekhn. red.

[Fundamentals of paleontology: manual for paleontologists and geologists of the U.S.S.R. in 15 volumes] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v pitnadtsati tomakh. Moskva. Izd-vo AN SSSR. Vol.14. [Algae, bryophytes, psilophytales, lycopsids, arthrophytes, ferns] Vodorosli, mokhoobraznye, psilofitovye, plaunovidnye, chlenistostebel'nye, paporotniki. Pod red. / A.Vakhrameeva, G.P.Radchenko, A.L.Takhtadzhana. 1963. 247 p. (MIRA 16:10)

(Paleobotany, Stratigraphic)

ORLOV, Yu.A., glav. red.; TAKHTADZHYAN, A.L., otv. red.; VAKHRAMEYEV, V.A., red.; RADCHENKO, G.P., red.; SHVEDOV, N.A., red.; VASILEVSKAYA, N.D., red.; TURUTANOVA-KETOVA, A.I., red.; MURAV'YEVA, O.A., red.; POKROVSKAYA, I.M., red.; YATSENKO-KHMELEVSKIY, A.A., red.; GOROKHOVA, T.A., red. izd-va; GUROVA, O.A., tekhn. red.

[Fundamentals of paleontology; manual for paleontologists and geologists of the U.S.S.R. in 15 volumes] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Glav. red. IU.A.Orlov. Moskva, Izd-vo AN SSSR. Vol.15.[Gymnosperms and angiospersm] Golosemennye, pokrytosemennye. 1963. 742 p. (MIRA 16:11)
(Gymnosperms, Fossil) (Angiosperms, Fossil)

TAKHTADZHYAN, A.L.

Neocene flora of the Goderdzi Pass. Part 1. Trudy Bot. inst. Ser. 8: Paleobot. no.4:189-204 '63. (MIRA 16:6)

(Goderdzi Pass—Paleobotany, Stratigraphic)

[illegible] V. [illegible], [illegible]

"[illegible] of the Late Pleistocene and the Tertiary in the territory of the USSR and adjacent countries."

report submitted for 9th Intl Botanical Cong, Edinburgh, 3-12 Aug [illegible].

TAKHTADZHYAN, A. L. (Prof. Dr.)

"Evolutionary trends and convergence."

Report to be submitted for the 10th International Botanical Congress, sponsored by the International Union of Biological Sciences (IUBS), Edinburgh, Scotland, 3-12 Aug 64.

TAKHTADZHYAN, Armen Leonovich; LEBEDEV, D.V., red.izd-va;
ZAMARAYEVA, R.A., tekhn. red.

[Fundamentals of the evolutionary morphology of angiosperms] Osnovy evoliutsionnoi morfologii pokrytosemennykh. Moskva, Izd-vo "Nauka," 1964. 235 p.
(MIRA 17:1)

BORKHVARDT, V.S.; DROZDOVA, I.N.; ZAKHAREVICH, S.F.; KOZLOVSKAYA, N.V.; MARKOVSKAYA, L.A.[deceased]; MILYAYEV, N.A.; MURAV'YEVA, O.A.; SERGIYEVSKAYA, Ye.V.; SOKOLOVSKAYA, A.P.; STANISHCHEVA, O.N.; TAKHTADZHYAN, A.L.; FLOROVSKAYA, Ye.F.; TSVELEV, N.N.; SHISHKIN, B.K., prof.[deceased]; SHMIDT, V.M.; DUBROVSKAYA, I.P., red.

[Flora of Leningrad Province] Flora Leningradskoi oblasti. Leningrad. No.4. 1965. 356 p. (MIRA 18:9)

1. Leningrad. Universitet. 2. Chlen-korrespondent AN SSSR (for Shishkin).

TAKHTADZHYAN, A.L.; TOLMACHEV, A.I.; FEDOROV, An.A.

Study of the flora of the U.S.S.R., achievements and prospects.
Bot.zhur. 50 no.10:1365-1373 O '65.
(MIRA 18:12)

1. Botanicheskiy institut imeni Komarova AN SSSR, Leningrad.

TAKHTAMYSHEV, Andrey Georgiyevich; TUBIN,S.M., redaktor; ROSTOVTSEVA, M.P., redaktor; DAKHNOV,V.S., tekhnicheskiy redaktor; TOKER,A.M., tekhnicheskiy redaktor

[Steel structures] Stal'nye konstruktsii. Moskva, Gos.izd-vo lit-ry po stroitel'stvu i arkhitekture, 1955. 285 p. (MLRA 9:3)
(Building, Iron and steel)

STRELETSKIY, L.S., doktor tekhn. nauk, prof.; STRELETSKIY, D.N., kand. tekhn. nauk; TAKHTAMYSHEV, A.G., inzh., nauchn. red. OSIPOVA, E.N., red.

[Designing and manufacturing economical metal elements; materials for a course on metal elements] Proektirovanie i izgotovlenie ekonomicheskikh metallicheskikh konstruktsii; materialy k kursu metallicheskikh konstruktsii. Vladimir, Stroiizdat. No.4. 1964. 359 p. (MIRA 18:10)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754720014-0"

TAKHTAMYSHEV, Andrey Georgiyevich, POCHAROVA, Yu.F., red.;
MURASHOVA, V.A., tekhn. red.

[Metal elements] Metallicheskie konstruktsii. Izd.2., perer. i dop. Moskva, Vysshaia shkola, 1963. 322 p. (MIRA 16:5)

(Steel, Structural) (Aluminum alloys)

STRELETSKIY, N.S., doktor tekhn. nauk, prof.; STRELETSKIY, D.N., kand. tekhn. nauk; TAKHTAMYSHEV, A.G., inzh., nauchn. red.; OSIPOVA, E.M., red.

[Materials for the course on metal elements] Materialy k kursu metallicheskikh konstruktsii. Moskva, Stroiizdat. No.4. 1964. 359 p. (MIRA 17:11)

[illegible]

[illegible] - 1

[illegible]

Pub. D.: [illegible]

Authors: [illegible], [illegible], and [illegible]

Full Title: [illegible] IN CHEMICAL PLANTS

Transliterated Title: [illegible]

Publication [illegible]

Publication Data: [illegible] Scientific and Technical Publishing House of Other Lit[illegible]

Publication Data: [illegible] Reference Handbook [illegible]

No. of copies: [illegible]

No. pp.: [illegible]

Date: [illegible]

Originating [illegible]

Editor: [illegible]

Abstracter: [illegible]

Tech. ed.: None

Appraisers: [illegible], A.S. and Shepelev, I.G.

Abstract: [illegible] equipment, [illegible] electrical processes for the [illegible] and enrichment of ores, and give the analytical expressions for [illegible] of essential data on various interrelated processes such as [illegible], crushing, dust removal, washing, settling, filtration, and drying. Formulas for computation of stresses in different chemical [illegible] are [illegible] and the tables of materials resistant to chemical action are [illegible] of the last part of the book contains [illegible] of mechanical [illegible] for the repair shop.

[illegible]

[illegible]

[illegible]

[illegible] in the [illegible] of [illegible] may be of interest for specific purposes.

[illegible] of the technical [illegible],

[illegible], [illegible] and [illegible] the [illegible] of ore, [illegible] Professor [illegible] the theory of enriching equipment and crushers. [illegible] organized scientific research institutes for the study of the mechanical processing of minerals. [illegible], [illegible], [illegible] and others worked on the [illegible] processes in the [illegible] the process of [illegible]. [illegible], [illegible], [illegible] [illegible] the theory of [illegible]. Academician [illegible] introduced the theory of [illegible] of the experimental [illegible] used in the production of coke. The new coke industry was built not only in the southern part of the USSR but [illegible] the eastern, the Ural-Kuzbass.

No. of [illegible] and Slavic References: [illegible] (from 19[illegible] to 19[illegible])

Available: Library of Congress.

[illegible] A. M., [illegible], L., [illegible]
[illegible], [illegible], [illegible], [illegible], [illegible], [illegible]YSHEV, [illegible];
[illegible], [illegible], [illegible], [illegible], [illegible]

[illegible] decay. Izv. [illegible] [illegible] 155. (MIRA 18:4)

[illegible] Leningrad [illegible] Institut [illegible].

L 13551-66 EWT(m)/T/EWA(m)-2

ACC NR: AP6001154 SOURCE CODE: UR/0367/65/002/003/0471/0484

AUTHOR: Anikina, M.; Vardenga, G.; Zhuravleva, M.; Kotlyarevskiy, D.; Lukstin'sh, Yu.; Mestvirishvili, A.; Nyagu, D.; Okonov, E.; Wu, Tsung-fang; Chkhaidze, L.; Takhtamyshev, G.

ORG: Joint Institute of Nuclear Research (Ob"yedinennyy institut yadernykh issledovaniy); Physics Institute, Academy of Sciences, Gruzinskaya SSR (Institut fiziki Akademii nauk Gruzinskoy SSR)

TITLE: Investigation of K_2^0-meson decays 1944 5

SOURCE: Yadernaya fizika, v. 2, no. 3, 1965, 471-484

TOPIC TAGS: K meson, meson interaction, lepton, radioactive decay, selection rule, pion

ABSTRACT: The authors presented at the 12th International Conference on High Energy Physics, Dubna, 1964, preliminary results of analyses of 683 K_2^0-mesons detected in a Wilson chamber. In the present article, the authors present a more complete analysis using a larger statistical material (1082 K_2^0-mesons). The following probabilities were obtained for leptonic decays of the K_2^0-meson and for the decay $K_2^0 \rightarrow \pi^+ + \pi^- + \pi^0$ (with respect to all K_2^0-decays into charged particles): Γ_2 (+ — 0) / Γ_2

Card 1/2

L 13551-66

ACC NR: AP6001154

(charged) = 0.194 ± 0.024 and $\Gamma_2(Ke_3) + {}_2(K\mu_3) / \Gamma_2$ (charged) = 0.806 ± 0.090. The data on leptonic decays exclude the S-type interaction and are in good agreement with the V-type interaction and the predictions based on the $|\Delta I| = 1/2$ selection rule. The energy spectrum of π^0-mesons in the $K_2^0 \rightarrow \pi^- + \pi^+ + \pi^0$ decay differs significantly from the phase curve $\phi(T_0)$. The value $\alpha = -8.2^{-1.3}_{-0.9}$ was obtained for the coefficient α in the linear approximation $dW(T_0)/d\phi(T_0) = 1 + \alpha T_0/M_{K^0}$, which is also in good agreement with the $|\Delta I| = 1/2$ selection rule. Assuming the existence of a σ-dipion resonance, the following values are obtained for its mass and width: $M_\sigma = (350 \pm 10)$ MeV and $\Gamma_\sigma = (75 \pm 15)$ MeV. In conclusion, the authors consider it their pleasant duty to thank B. M. Pontecorvo [Pontekorvo] for fruitful discussions and constant interest in the work; V. I. Veksler, I. V. Chuvilo and the entire staff of the proton-synchrotron, who assured the execution of the experiment; and E. L. Andronikashvili, V. P. Dzhelepov, and Z. Sh. Mandzhavidse for assistance in the work. Authors also extend their thanks to the group of laboratory technicians and mechanics consisting of N. I. Grafov, L. Goncharov, P. Zhabin, L. Lyubimov, D. Sverdlin, V. Smirnov, V. Stepanov, L. Filatov, and L. Filippov, and the students O. Dumbrayts and V. Novikov for performing the calculations. Orig. art. has: 10 figures, 4 tables, and 1 formula.

SUB CODE: 18,20 / SUBM DATE: 30Mar65 / ORIG REF: 007 / OTH REF: 021

Card 2/2

TAKHTAMYSHEV, G. G.

ANIKINA, M. Ya., BOTLYANSKIY, D. M., KOGLOV, A. A., LEURAVLEVA, M. S., MANDZAVINZE S. M., MUSTEVIRISHVILI, A. N. NIAGU, D. V., PETROV, N. I. ROZANOVA, A. M., RUSAKOV, V. A. OKONOV, E. O., TAKHTAMYSHEV, G. G., CHKHEIDZE, L. B.

"Decay Properties of K^0-Mesons"

Report presented at the Intl. Conference on High Energy Physics, Geneva, 4-11 July 1962

Joint Inst. for Nuclear Research
Lab. of High Energies, Dubna, 1962

ANIKINA, M.Kh.; GOGITIDZE, O.N.; ZHURAVLEVA, M.S.; KOZLOV, A.A.; KOTLYAREVSKIY, D.M.; MANDZHAVIDZE, Z.Sh.; MESTVIRISHVILI, A.N.; NYAGU, D.; OKONOV, E.O.; PETROV, N.I.; ROZANOVA, A.M.; RUSAKOV, V.A.; TAKHTAMYSHEV, G.G.; CHKHAIDZE, L.V.; U TSZUN-FAN' [Wu Tsung-fan]; TSERELOV, A.A.

Observation of $K_2^0 \rightarrow \pi^+ + \pi^- + \pi^0$ decays. Zhur. eksp. i teor. fiz. 45 no.3:469-473 S 1963. (MIRA 16:10)

1. Ob"yedinennyy institut yadernykh issledovaniy i Institut fiziki AN Gruzinskoy SSR.
(Photography, Particle track) (Mesons)

ACCESSION NR: AP4012523 S/0056/64/046/001/0059/0066

AUTHORS: Anikina, M. Kh.; Zhuravleva, M. S.; Kotlyarevskiy, D. M.; Mandzhavidze, Z. Sh; Mestvirishvili, A. N.; Nyagu, D. V.; Okonov, E. O.; Petrov, N. I.; Rusakov, V. A.; Takhtamy*shev, G. G.; Chkhaidze, L. V.; Wu, Tsung-fan

TITLE: Estimate of the relative possibility of the $K_2^0 \rightarrow 3\pi^0$ decay

SOURCE: Zhurnal eksper. i teoret. fiz., v. 46, no. 1, 1964, 59-66

TOPIC TAGS: K_2 decay, Dalitz pair, neutral kaon decay, CP invariance, selection rules, V sup 0 event, ionization selection rule

ABSTRACT: Continuing an earlier investigation (D. V. Nyagu, E. O. Okonov, N. I. Petrov, A. M. Rozanova, and V. A. Rusakov, ZhETF v. 40, 1618, 1961), the authors registered the $K_2^0 \rightarrow 3\pi^0$ decay by the Dalitz pairs observed in a one-meter cloud chamber placed in a beam of neutral particles from a proton synchrotron, using an experimental

Card 1/3

ACCESSION NR: AP4012523

setup described earlier (ZhETF v. 45, 469, 1963). Applying more stringent selection rules, they found the ratio of the probability of the $K_2^0 \rightarrow 3\pi^0$ decay to the probability of all K_2^0 meson decays to be (0.24 ± 0.08). "We thank the proton synchrotron crew, whose precise work enabled us to set up the project. We are deeply grateful to B. M. Pontecorvo who called attention to the possibility of investigating $K_2^0 \rightarrow 3\pi^0$ decay by means of Dalitz pairs and for numerous discussions. We are grateful to E. L. Andronikashvili, V. I. Veksler, and V. P. Dzhelepov for collaboration, and also to the group of laboratory assistants and particularly student Yu. Luksty*n'sh of Riga University for participating in the measurements." Orig. art. has: 2 figures, 1 formula, and 1 table.

ASSOCIATION: Ob"yedinenny*y institut yaderny*kh issledovaniy (Joint Institute of Nuclear Research); Institut fiziki AN GruzSSR

Card 2/3

ACCESSION NR: AP4012523

(Physics Institute, AN GruzSSR)

SUBMITTED: 10Jul63 DATE ACQ: 26Feb64 ENCL: 00

SUB CODE: PH NO REF SOV: 004 OTHER: 006

Card 3/3

ANIKINA, M.; VARDENGA, G.; ZHURAVLEVA, M.; KOTLYAREVSKIY, D.; NYAGU, D.; OKONOV, E.; TAKHTAMYSHEV, G.; U TSZUN-FAN' [Wu TSung-fan]; CHKHAIDZE, L.

Determining the relative probabilities of $K_2^0 \rightarrow 3\pi$ decay. IAd. fiz. 2 no.5:853-858 N '65. (MIRA 18:12)

1. Ob"yedinennyy institut yadernykh issledovaniy.

TAKHTAMYSHEV, L.A.; SEREBRO, M.G.

Turning switch with pneumatic drive for moncrails. Mashinostroitel' no. 4:17 Ap '61. (MIRA 14:4)
(Railroads, Single-rail—Switches)

TAKHTAMYSHEV, Oh.N.

The feeding effect of ground water in irrigation. Uzb. biol. zhur. no.2:57-65 '58. (MIRA 11:10)

1.Uzbekskiy sel'skokhozyaystvennyy institut.
(Irrigation) (Water, Underground)

Dissertation: "[illegible] in [illegible] according to [illegible]." [illegible] Sci, Central [illegible] Res Inst of Industrial Construction, 26 Mar 54. Vechernyaya Moskva, Moscow, 17 May 54.

[illegible] 24a, 26 Nov 1954

BARANOV, D.S., inzh.; TAKHTAMYSHEV, S.G., kand.tekhn.nauk, nauchnyy red.; SOKOLOV, N.I., tekhn.red.

[Measuring instruments, methods, and some results of studies on the distribution of pressure in sand] Izmeritel'nye pribory, metodika i nektotorye rezul'taty issledovaniia raspredeleniia davlenii v peschanom grunte. Moskva, 1959. 60 p. (Akademiia stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. Nauchnoe soobshchenie, no.6) (MIRA 12:9)
(Sand) (Dynamometer) (Soil mechanics)

TAKHTAMYSHEV, V., inzh.

Standard overhead conveyor galleries. Prom. stroi. i inzh. scor. 4 no.1: 38-40 Ja-F '63. (MIRA 16:3)

(Conveying machinery--Standards)

PROKHOROVA, V.V.; SERAFIMOV, L.A.; TAKHTAMYSHEVA, L.S.

Liquid - vapor phase equilibrium in the system acrylonitrile - acetonitrile at atmospheric pressure. Zhur. fiz. khim. 38 no.4:1005-1008 Ap '64. (MIRA 17:6)

1. Institut tonkoy khimicheskoy tekhnologii.

L 9455-66 EWT(m)/EWP(j) RM

ACC NR: AP5025011 SOURCE CODE: UR/0286/65/000/016/0075/0075

AUTHORS: Takhtarov, G. N.; Trofimovich, D. P.; Gerlakh, L. R.; Podshibyakina, G. S.; Zaborina, N. B.; Lazovskaya, R. A.; Yefimov, V. M.; Kalachev, V. A.; Mayorov, D. A.

ORG: none

TITLE: Foam generator for an installation for continuous mixing and foaming of latex mixtures. Class 39, No. 173911 [announced by the Scientific Research Institute for Rubber and Latex Products (Nauchno-issledovatel'skiy institut rezinovykh i lateksnykh izdeliy)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 75

TOPIC TAGS: foam generator, latex foamer, latex mixer, SYNTHETIC RUBBER, RUBBER WORKING MACHINERY

ABSTRACT: This Author Certificate presents a foam generator (see Fig. 1)

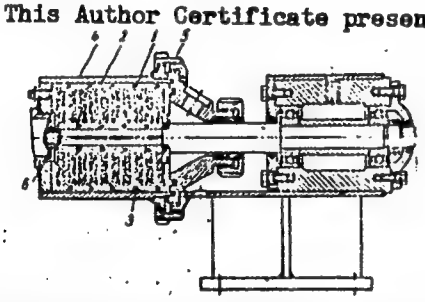

Fig. 1. 1 - Rotor; 2 - stator; 3 - seals; 4 - body; 5 and 6 - nuts.

Card 1/2 UDC: 678.021.1:621.187.115

L 9455-66

ACC NR: AP5025011

0

for installations for continuous mixing and foaming of latex mixtures. This device includes an electric drive on the shaft of which is mounted a rotor in the form of disks with concentric circular teeth on both sides which fit into the clearances between the circular teeth mounted on stator disks. To increase the foaming capability and capacity while decreasing the physical size, the rotor and stator consist of many-sectioned dismountable disk packets mounted through rotary seals inside a cylindrical body and tightened by nuts. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 05Mar64

Card 2/2 (4)

TAKHTAREVA, I.I.

Vagal inhibition in case of cardiac denervation of various extent. Nauch. dokl. vys. shkoly; biol. nauki no.3:58-62 '63. (MIRA 16:9)

1. Rekomendovana kafedroy fiziologii zhivotnykh Kazanskogo pedagogicheskogo instituta.
(Nerves, Cardiac) (Vagus nerve)

BORSHCHEVSKIY, A.S.; GORYUNOVA, N.A.; TAKHTAREVA, N.I.

Microhardness investigation of some zincblendelike semiconductors. Zhur. tekh. fiz. 27 no.7:1408-1413 Jl '57. (MLRA 10:9)

1. Fiziko-tekhnicheskiy institut AN SSSR, Leningrad.
(Semiconductors)

C

Chemical equilibrium in reactions between hydrocarbons—equilibria of the reactions: iso-$C_5H_7C_5H_5$ + $3H_2$ ⇌ iso-$C_5H_7C_5H_{11}$ and 1,3-$C_5H_4(CH_3)_2$ + $3H_2$ ⇌ 1,3-$C_5H_{10}(CH_3)_2$. A. A. Vvedenskii and N. K. Takhtareva (Leningrad Inst. High Pressures). *J. Gen. Chem. U.S.S.R.* 19, 1075-80 (1949)(Engl. translation).—See *C.A.* 43, 8246h. B. J. C.

C 4

2

Chemical equilibria of hydrocarbon reactions. The equilibria iso-$C_6H_5CH_3$ + $3H_2$ ⇌ iso-$C_6H_{11}CH_3$ and 1,3-$C_6H_4(CH_3)_2$ + $3H_2$ ⇌ 1,3-$C_6H_{10}(CH_3)_2$. A. A. Avetisian and N. K. Fakhtareva. *Zhur. Obshchei Khim.* [J. Gen. Chem.] 10, 1087-8(1940). The equil. were reached by hydrogenation of iso-PrPh or *m*-$C_6H_4Me_2$ on a Ni catalyst; no side reactions were found below 250°. Compns. of the products were detd. by refractometry. The exptl. equil. consts. K_p for iso-PrPh (gas) + $3H_2$ ⇌ isopropylcyclohexane (gas), in range 201 and 247°, agree well with the equation log K_p = (0.865 × 10^{-3} T) − 10.70 log T + 0.00186265 T − 0.000000195328 T^2 + 9.8, involving the heat-capacity equations, for iso-PrPh (gas), C_p = −7.891 + 0.1550 T − 0.000007270 T^2, for isopropylcyclohexane (gas), C_p = −8.426 + 0.1819 T − 0.00007276 T^2, and for H_2 (gas), C_p = 6.744 + 0.0002774 T + 0.0000001956 T^2, and the resp. heats of combustion 1,247,100 (liquid), 1,404,340 (liquid), and 68,310 cal./mole (gas); from these data, ΔH_{298} = −47,790, and ΔH_0 = −42,830 cal./mole. Deviations of the exptl. log K_p data from those given by the equation, attain only occasionally ±0.15, and are of the order of ±0.05 in the case of mixts. initially close to equil. For the equil. *m*-$C_6H_4Me_2$ (gas) + $3H_2$ (gas) ⇌ 1,3-dimethylcyclohexane (gas), the data are represented by the empirical formula log K_p = −(10,970/T) − 21.

N. Thon

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

AUTHORS: [illegible] S., Goryunova, N. A., Tikhonova, E. K. 57-27-7-2/40

TITLE: An Investigation of the Microhardness of Some Semiconductors with a Zinc Blende Structure (Issledovaniye mikrotverdosti nekotorykh poluprovodnikov so strukturoy tsinkovoy obmanki).

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ABSTRACT: The microhardness of semiconductors comprising in a crystallo-chemical group according to the principle of common type of linkage and a common structure was investigated, the obtained data were compared with the other physico-chemical properties and the correlation with the electric parameters of these semiconductors of this group was determined. The data of the first tests with some semiconductors with Wurtzit-, zincblende- and diamond-structure are given here. The microhardness-values of these semiconductors were determined. When gallium arsenide was crystallized in a narrow tube it showed a hermaphroditic (twin-crystal) formation and the microhardness increased. But also under conservation of the same crystallization-conditions the greatest variations were found to occur in this compound by measuring the microhardness. The authors could not yet determine the reasons for this. A certain dependence of the microhardness on the purity of the applied materials was observed in the tellurides (Ga_2Te_3), In_2Te_3,

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(InFe). It is shown that the microhardness becomes smaller in the isoelectron-compound -series with strengthening of the ion-bound, which corresponds to the character of variation of the hardness according to V. M. Gol'dshmidt, DFN, 9(6), 811, 1929). There are 4 figures, 2 tables and 5 references, 4 of which are Soviet.

ASSOCIATION: Physico-Technical Institute AS USSR, Leningrad. (Fiziko-tekhnicheski, institut AN SSSR, Leningrad)

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1. Semiconductors-Hardness-Determination 2. Zinc blende-Applications

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Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963